

FIG.1A

1 GGGTGGGTAGAAAGTTGGCTCCGGCCGGATCCACGGCTATCGGCATAG  
61 GAGGATATCCGGCCGGGGATCGGCATTGAATGGAACAGTGTCCCTGGCCGC  
121 CACCGCCACCATGAACAAGCTTACATCGGCAAACCTCAACGAGAGTGTGACCCCCGAGA  
1 M N K L Y I G N L N E S V T P A D

181 CTTGGAGAAAGTATTGGGAGCACAGAGATCTCCTACAGGGCCAGTTGGTCAAATC  
18 L E K V F A E H K I S Y S G Q F L V K S

241 CGGCTACGCCTTCGTGGGATTGGCCGGACGAGCCACTGGCGATGAAGGCCATCGAAACTTT  
38 L G Y A F V D C P D E H W A M K A I E T F

301 CTCGGGAAGTAGAACTGCAGGAAACGTCTAGGATGAACACTCAGTCCCCAAAAAAAA  
58 S G K V E L Q G K R L E I E H S V P K K

361 ACAAGGATACGATTCCCAATCCACCTCAGCTCCGAGTGGAAAGTGC  
78 Q R S R K I Q I R N I P P Q L R W E V L

421 AGATAGCCTGCTGGCTAGTGGGAACTGAGCACTGAG  
98 D S L L A Q Y G T V E N C E Q V N T E S

481 TGAGACAGCGGGTGGTCAACGTCACCTACTCTAACGGGACCAGGCAGTATCA  
118 E T A V N V T Y S N R E Q T R Q A I M

541 GAAGCTAAATGCCATCAACTGGAGAACCATGCCCTGAAGGTCTCCTACATACCTGATGA  
138 K L N G H Q L E N H A L K V S Y I P D E

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FIG. 1B

601 GCAGATAACACAAGGTCCTGAGAATGGCGTCGGAGGGCTTGGGTCTCGGGCCAGCC  
 158 Q I T Q G P E N R R G G F G S R G Q P

661 CCGGCAAGGGTGCAGCCGTGGCAGCAGGGCTCCAGCCAAAGCAGCAGCCAGTGGACATCCC  
 178 R Q G S P V A A G A P A K Q Q P V D I P

721 TCTCCGGCTCCTGGCCTACGGCACTATGTAGGGCTATTCATTGGCAAGGGAGGGTGGCAC  
 198 L R L L V P T Q Y V G A I I G K E G A T ====

781 CATCCGAAACATCACAAACAGACGCAGTCCAAATAAGACGTCATAGGAAGGAGAAATGC  
 218 I R N I T K Q T Q S K I D V H R K E N A ====

841 GGGCGCTGGGAGAAGGCCATCAGCGTGCATTCAACCCCTGAAGGCTGCTCCGGCGTG  
 238 G A A E K A I S V H S T P F G C S S A C ====

901 CAAGATGATCTTGGAGATTATGCACAAAGGAGGCAAAGGACACCAAAACGGCAGATGAAGT  
 258 K M I L E I M H K E A K D T K T A D E V ====

961 TCCCCTGAAGATCCTGGCTCATAAACAACATTGGTCGGCGACTCATGGCAAGGAAGGCCG  
 278 P L K I L A H N N F V G R L I G K E G R ====

1021 GAACCTGAAGGAAGGGTGGAGCAGGACACAGAGAAGATCACCATCTCATCGCTCCAGGA  
 298 N L K K V E Q D T E T K I T I S S L Q D ====

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## FIG. IC

1081 CCTCACGCTCTATAACCCCTGAGAGGACCATCACTGTAAGGGGCCATTGAGAACTGTGTTG  
 318 L T L Y N P E R T I T V K G A I E N C C

1141 CAGGGCCGAGCAGGAGATCATGAAGAAAAGTTCGAGAGGCTTACGAGAACGACGTGGCCGC  
 338 R A E Q E I M K K V R E A Y E N D V A A

1201 CATGAGGCTTGAGTCCCACCTCATCCCTGGCTTACCTGGCTGCTGTAGGTCTTCCCC  
 358 M S L Q S H L I P G L N L A A V G L F P

1261 AGCTTCATCCAGCGCTGTCCCTCCAGCAGTGTCACTGGGCTGCTCCCTATAG  
 378 A S S S A V P P P S S V T G A A P Y S

1321 CTCCCTCATGCAGGCTTCCGGAGATGGTACAAAGTGTTCATCCCGCCAGGCTGT  
 398 S F M Q A P E Q E M V Q V F I P A Q A V

1381 GGGGCCATCATGGCAAGAACGGGCCAGCACATCAAACAAACTCTCCGGCTTCAGGCCAGCGC  
 418 G A I I G K K G Q H I K Q L S R F A S A

1441 CTCCATCAAGATTGCTCCACAGAACACCTGACTCCAAAGTTCGAATGGTCGTCACTCAC  
 438 S I K I A P P E T P D S K V R M V V I T

1501 TGGACCCCCAGAGGC'TCAGTCAAGGCTCAGGGAAGAAATTATGGCAAACCTAAAGAAGA  
 458 G P P E A Q F K A Q G R I Y G K L K E E

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FIG. 1D

1561 GAATTCTTGGTCCCAGGAGGAAGTAAAGCTAGAGACCCACATACGGGTTCGGCTTC  
478 N F F G P K E E V K L E T H I R V P A S

1621 AGCAGCCGGCCGGTCAATCGGCCAAAGGGCAAAACGGTGAATGAGCTGCAGAACITGAC  
498 A A G R V I G K G G K T V N E L Q N L T

1681 TGCAGCTGAGGTGGTAGTGGCCAAAGAGAACGACAGACCCCCGGATGAGAACGACCAAGTCATTGT  
518 A A E V V V P R D Q T P D E N D Q V I V

1741 TAAGATCATGGACATTCTATGCCAGCCAGATGGCTCAGCGGAAGATCCGAGACATCCT  
538 K I I G H F Y A S Q M A Q R K I R D I L

1801 GGCTCAAGTTAAGCAACAGCACCAAGGGACAGAGCAACCTGGCCAGGCACGGAGGAA  
558 A Q V K Q Q H Q K G Q S N L A Q A R R K

1861 GTGACCCCGCCCCCTCCTGGCTCCAAGATCAGCAGGAGAACACAGAACACTGG  
578 \*

1921 AGGGGGGGTGGGGCCGGTGTGTTTCCAGCAGGCCCTGAGAATGAGTGGGAATCAG  
1981 GGCATTGGCCCTGGTGGAGATCAGGTTGCACACTGTATTGAGAACAAATGTTCCAGTG  
2041 AGGAATCCTGATCTCTGGCCAAATTGAGCCAGCTGGCCACAGCCCACCCCCCTGGAAATA  
2101 TCACCATGCAATCATAGCTTGGGTTGCTTAAACGTTGGATGTCTGAAGTTCTCCAG  
2161 CCTCCATGGAGGATGGGTCAAGATCCCAGTGGGAAGAGAAATAAAATTCCCTCAGGTT  
2221 TTAT

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mCRD-BP  
hKOC  
hnRNPK  
Fibrillarin  
Nucleolin  
FMRP

Consensus: G R G G F G R G G G R G G G R Q G  
 R R G G F G S R G Q P - R Q G  
 G R R G L G Q R G S S - R Q G  
 G R G G F - D R M P P G R G G  
 G R G G F G D R G G - R G G  
 G R G G F G G R G G - G R G G  
 G R G G F G G R G G - G R G G  
 L R R G D G R R R G G G R G G

FIG. 2A

FIG. 2B

Consensus: Q L R - W E V L D S L L  
 H L Q - W E V L D S L L  
 Q L R - L E R L Q - I D  
 T I S S L Q D L T - L Y  
 T I S P L Q E L T - L Y  
 Q L P P L E R L T - L D  
 T I W Q D I

mCRD-BP  
hKOC  
FMRP  
mCRD-BP  
hKOC  
REV

+

+

FIG. 2C-I

mCRD-BP (1)  
mCRD-BP (2)  
mCRD-BP (3)  
mCRD-BP (4)  
hKOC (1)  
hKOC (2)  
hKOC (3)  
hKOC (4)  
hnRNPK (1)  
hnRNPK (2)  
hnRNPK (3)  
FMRP (1)  
FMRP (2)

L	I	V	P	T	Q	Y	V	G	A	I	I	G	K	E	G	A	T	I	R	N	I	T	K
I	I	A	H	N	N	F	V	G	R	I	I	G	K	E	G	R	N	L	K	Q	V	E	Q
V	I	F	T	P	A	Q	A	V	G	A	I	I	G	K	Q	G	H	I	K	Q	L	S	R
I	I	R	V	P	T	Q	S	A	A	G	R	I	I	G	K	Q	G	H	T	R	N	E	S
L	I	L	A	H	N	N	P	V	G	R	L	I	I	G	K	Q	G	K	T	V	N	E	L
I	I	L	V	P	T	Q	F	V	G	A	I	I	G	K	Q	G	K	K	N	I	K	A	L
Q	F	I	P	A	L	S	V	G	A	G	R	V	I	G	V	K	G	G	G	K	N	I	R
I	R	V	P	S	F	A	A	G	A	G	A	V	I	G	I	I	G	K	G	K	N	I	T
I	L	L	Q	S	K	N	A	G	S	L	A	G	G	I	I	G	V	K	G	G	G	K	R
I	R	V	P	S	F	A	A	G	A	G	A	V	I	G	I	I	G	V	K	G	G	G	R
I	L	L	Q	S	K	N	A	G	S	L	A	G	G	I	I	G	V	K	G	G	G	G	R
I	L	L	Q	S	K	N	A	G	S	L	A	G	G	I	I	G	V	K	G	G	G	G	R
V	T	T	I	P	K	D	L	A	G	S	I	I	G	V	K	G	G	G	G	G	G	G	R
F	I	V	R	E	D	L	M	G	L	A	I	G	T	H	G	A	N	I	Q	Q	A	R	K
I	Q	V	P	R	N	L	V	G	K	V	I	G	K	N	G	K	L	I	Q	E	T	V	D
I	I	I	I	V	G	L	I	G	K	G	G	I	I	G	V	K	L	K	V	V	V	V	V

Consensus:

I	I	I	I	V	G	L	I	G	K	G	G	I	I	G	V	K	L	K	V	V	V	V
L	L	V	V	A	V	A	V	A	V	A	V	A	V	A	V	A	V	A	V	A	V	V

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FIG. 2C-2

mCRD-BP(1)	Q T Q S K - -	I D V H R K E N A G A A E K A I S V
mCRD-BP(2)	D T E T K - -	I I S S L Q D L T L Y N P E R T I T V
mCRD-BP(3)	F A S A S - -	I I K I A P P E T P D S K V R M V V I
mCRD-BP(4)	L T A A E - -	I I V V P R D Q T P D E N D Q V I V K I
hKOC(1)	Q T Q S K - -	I I V V H R K E N A G A A E K S I T T V
hKOC(2)	D T D T K - -	I I V V H R K E N A G A A E K S I T T V
hKOC(3)	F A G A S - -	I I V V H R K E N A G A A E K S I T T V
hKOC(4)	L S S A E - -	I I V V H R K E N A G A A E K S I T T V
hnRNPK(1)	D Y N A S V S V	I I V V H R K E N A G A A E K S I T T V
hnRNPK(2)	N T Q T T - -	I I V V H R K E N A G A A E K S I T T V
hnRNPK(3)	E S G A S - -	I I V V H R K E N A G A A E K S I T T V
FMRP(1)	V P G V T A - -	I I V V H R K E N A G A A E K S I T T V
FMRP(2)	K S G V V R - -	I I V V H R K E N A G A A E K S I T T V

Consensus:

I	I	I
L	L	R
V	V	K

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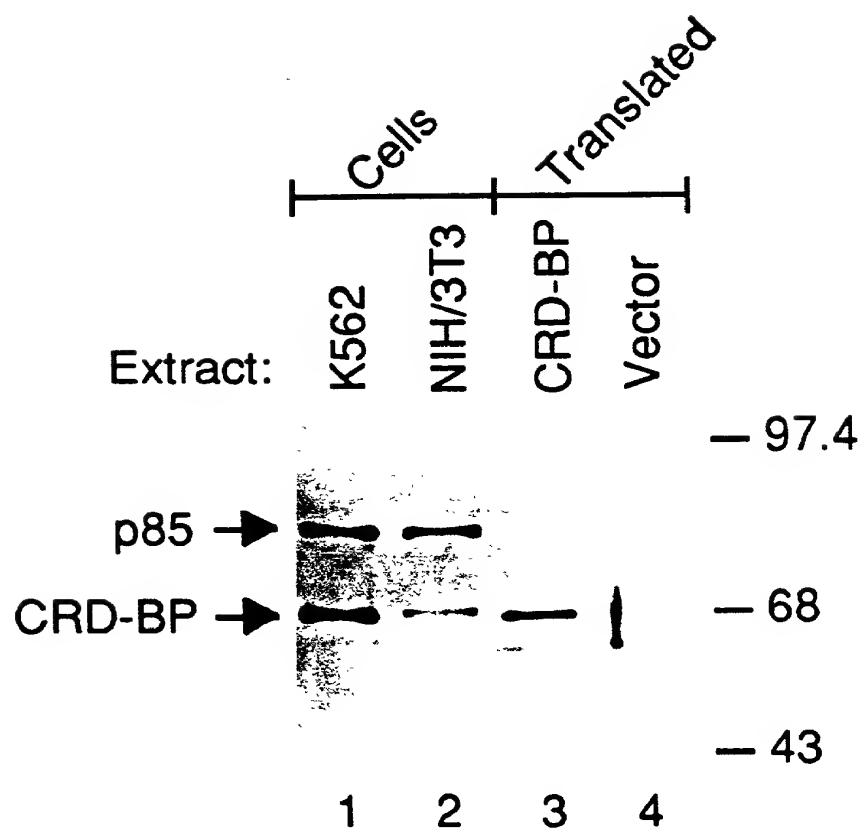


FIG. 3

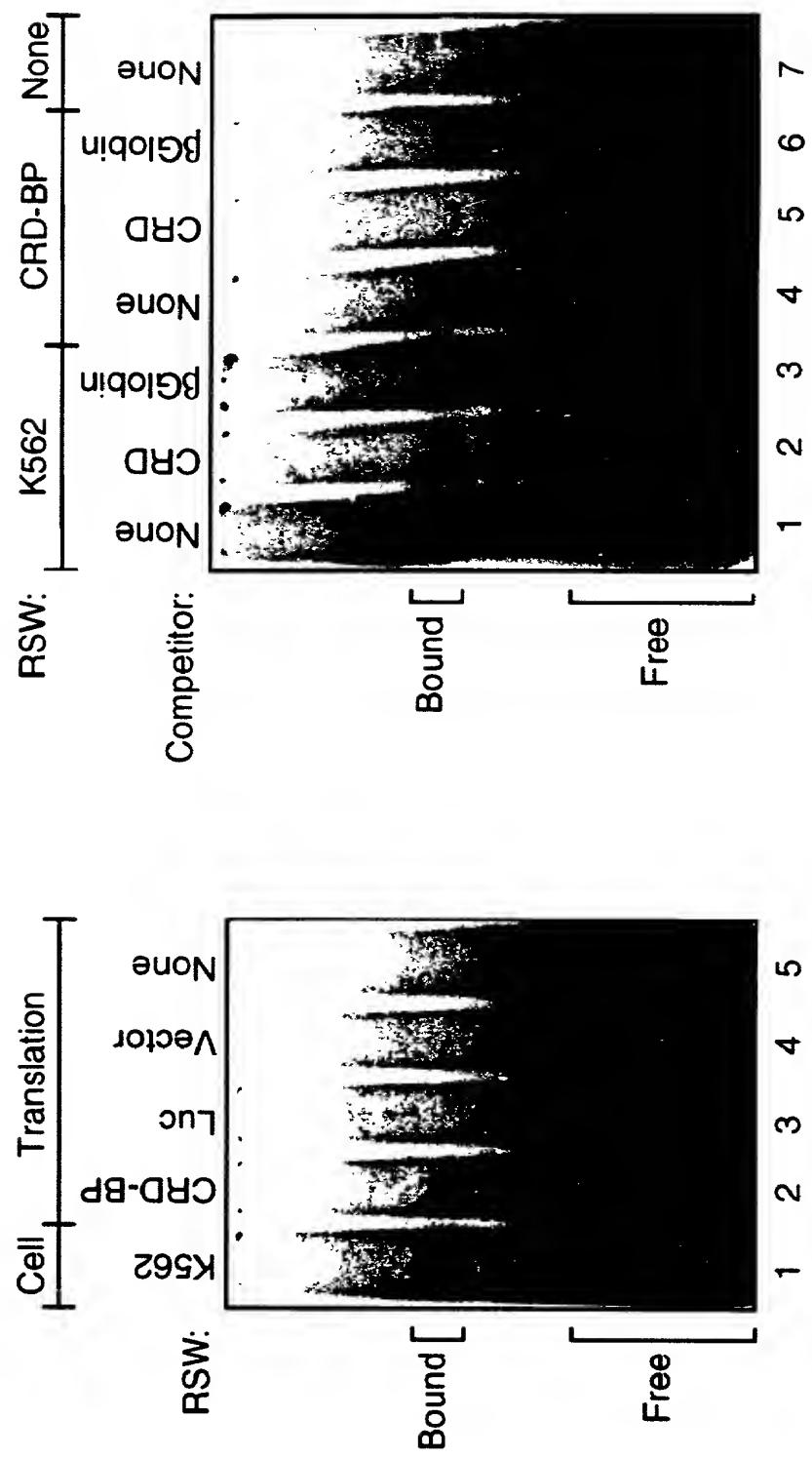
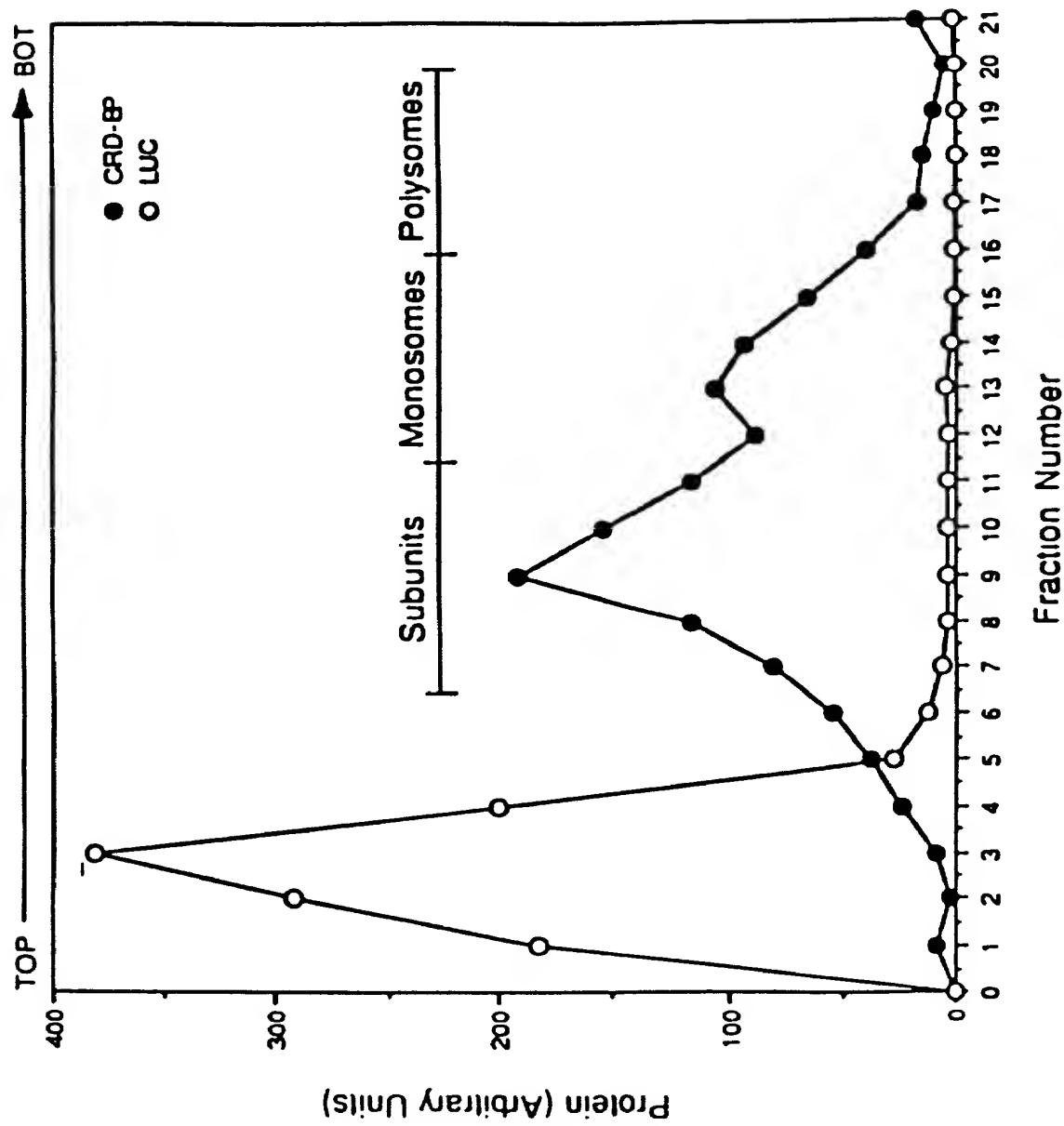


FIG. 4A

FIG. 4B

FIG. 5



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FIG. 6A

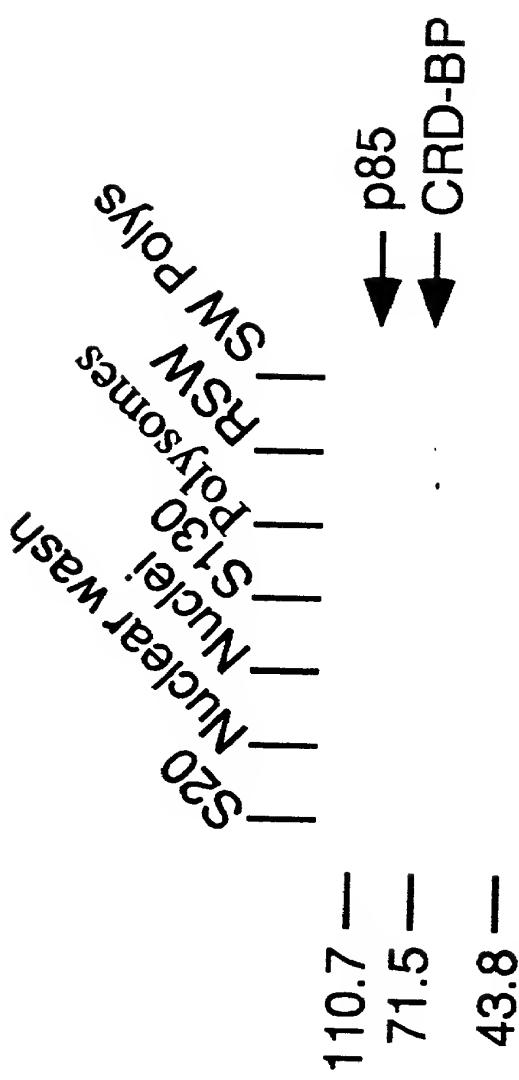


FIG. 6B



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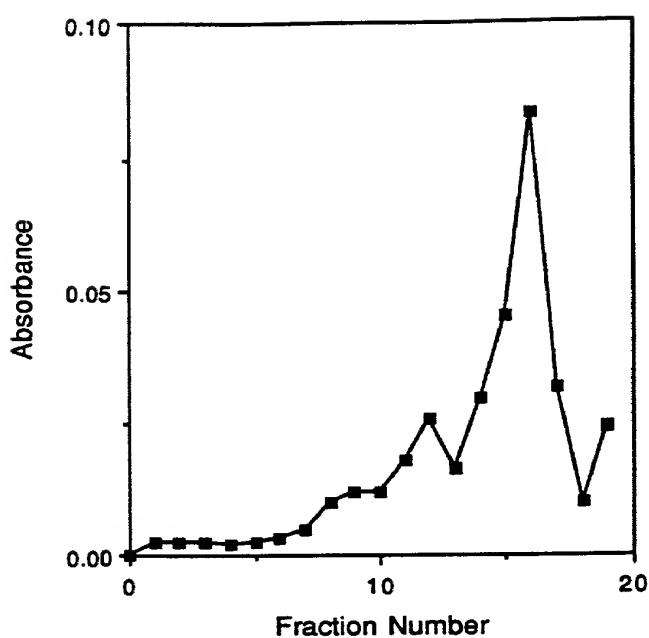


FIG. 7A

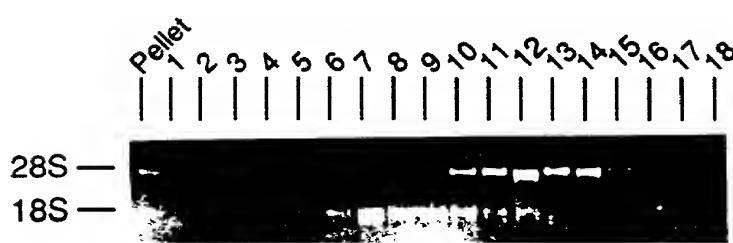


FIG. 7B

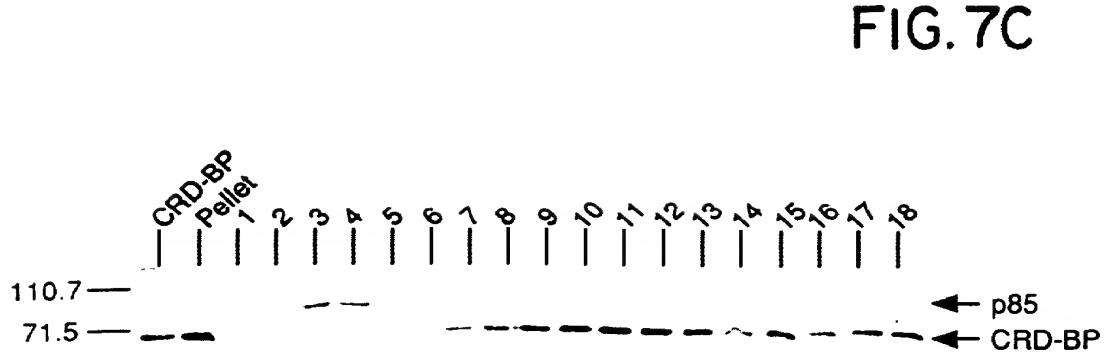


FIG. 7C

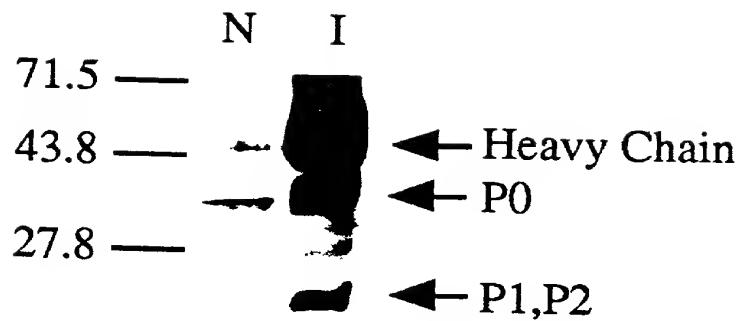


FIG. 8A

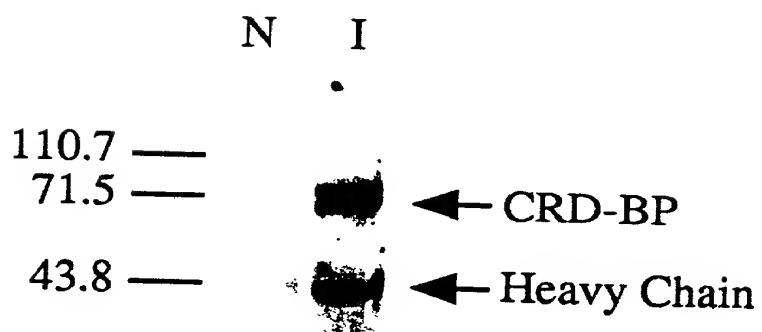


FIG. 8B

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